

## **“VectoLex® CG”**

This sheet answers some basic questions about a mosquito control product in use in Mercer County. Mercer County Mosquito Control, along with several other resources (listed at the end of this sheet), can provide more detailed information.

### **What is VectoLex® CG and how is it used?**

**VectoLex® CG** is a bacterial granular larvacide that is recommended for mosquito control in New Jersey by the Agricultural Experiment Station of Rutgers University. It contains the active ingredient called “*Bacillus sphaericus* (Bs).” The U.S. Environmental Protection Agency’s (EPA) current evaluation considers Bs- containing products to be slightly toxic with minimal potential risk to people when used properly as part of a complete mosquito control program.

**VectoLex® CG**’s active ingredient **Bs** is a bacterium that occurs naturally throughout the world. It kills mosquito larvae when the larvae ingest the bacterial spores in moist or wet areas such as lakes, coasts, streams, swamps, and drainage ditches. **VectoLex® CG** is part of a mosquito management approach using habitat management and other measures to control immature mosquitoes in order to lessen the need to spray for adult mosquitoes.

### **How can I avoid exposure to VectoLex® CG?**

Risk to the general public from the use of **VectoLex® CG** is minimal. Avoiding exposure is always the safest course of action, particularly for populations that may be at higher risk such as pregnant women, children, the elderly and those with chronic illness. Any possible exposure risk can be reduced by following some common sense actions:

- Plan your activities to limit time spent outside during times of possible pesticide treatments.
- Avoid direct contact with water bodies that have been treated.
- Move children’s toys out of application areas.
- Move animals and their food and water dishes out of application areas.
- Stay away from application equipment, whether in use or not.

### **What are the symptoms of exposure to VectoLex® CG?**

Direct contact with eyes or skin may cause mild irritation or discomfort. The chance of experiencing these symptoms of exposure with proper use is low. You should contact your physician, other medical providers or the New Jersey Poison Information and Education System (NJPIES) at **1-800-222-1222** if you experience these symptoms following a pesticide spraying. Bring this sheet with you if you visit a physician or other medical provider.

### **How long will VectoLex® CG last in the environment?**

Because **Bs** is a biological agent, it tends to break down quickly in the environment. Its breakdown in water or soil usually occurs within hours of use.

**Where can I get more information on VectoLex® CG?**

The following are resources for more information regarding **VectoLex CG** and mosquito control in your area (unless otherwise noted, available during normal business hours):

For overall pesticide-specific information – 9:30am to 7:30pm:

**National Pesticide Information Center**

**800-858-7378**

<http://npic.orst.edu>

For pesticide health information & possible exposures – 24 hours:

**New Jersey Poison Information & Education System**

**800-222-1222**

<http://www.njpies.org>

For New Jersey pesticide regulation & misuse complaints:

**NJDEP Pesticide Control Program**

**609-984-6507**

<http://www.state.nj.us/dep/enforcement/pcp/>

For Federal pesticide regulations:

**USEPA Region 2 Office of Pesticide Programs**

**732-321-6759**

<http://www.epa.gov/ebtpages/pesticides.html>

For state-wide mosquito control information:

**NJDEP Office of Mosquito Control Coordination**

**609-292-3649**

<http://www.state.nj.us/dep/mosquito>

For local mosquito control information:

**Mercer County Mosquito Control**

**609-530-7501**

<http://nj.gov/counties/mercerc/departments/mcmc/index.html>

For mosquito control recommendations:

**Rutgers University, Department of Entomology**

**732-932-9437**

<http://www-rci.rutgers.edu/~insects/indexentonj.htm>

For general information on the pesticide VectoLex® CG and *Bacillus sphaericus*:

**Extension Toxicology Network:**

<http://npic.orst.edu/npicfact.htm>10

**EPA:**

<http://www.epa.gov/pesticides/health/mosquitoes/larvicides4mosquitoes.htm>

**Valent Biosciences Corp (Manufacturer):**

<http://www.valentbiosciences.com>

**Clarke Mosquito Control Products (Distributor):**

<http://www.cmosquito.com/cmcp/default.asp>